Title (en)

SYSTEMS AND METHODS FOR TWO-STEP RANDOM ACCESS PROCEDURE

Title (de)

SYSTEME UND VERFAHREN FÜR EINE ZWEISTUFIGE DIREKTZUGRIFFSPROZEDUR

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR PROCÉDURE D'ACCÈS ALÉATOIRE EN DEUX ÉTAPES

Publication

EP 3861822 A4 20211222 (EN)

Application

EP 19876733 A 20191021

Priority

- US 201862751073 P 20181026
- CN 2019112226 W 20191021

Abstract (en)

[origin: WO2020083190A1] Sometimes during wireless communication a random access procedure needs to be performed. A two-step random access procedure is disclosed herein, which may help reduce latency and/or signaling overhead compared to a four-step random access procedure. Moreover, some problems relating to a two-step random access procedure have been recognized and are addressed in some embodiments, for example: how to indicate resources for the uplink grant; how to switch to a four-step random access procedure when necessary; and/or how to accommodate UEs that do not have the capability to perform a two-step random access procedure.

IPC 8 full level

H04W 74/00 (2009.01); **H04W 72/02** (2009.01)

CPC (source: EP KR US)

H04W 72/02 (2013.01 - KR); **H04W 72/1268** (2013.01 - KR); **H04W 74/004** (2013.01 - KR); **H04W 74/0833** (2013.01 - EP KR US)

Citation (search report)

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- See also references of WO 2020083190A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020083190 A1 20200430; CN 112930708 A 20210608; CN 112930708 B 20230711; CN 117202396 A 20231208; EP 3861822 A1 20210811; EP 3861822 A4 20211222; KR 102646083 B1 20240312; KR 20210076977 A 20210624; US 2021243814 A1 20210805

DOCDB simple family (application)

CN 2019112226 W 20191021; CN 201980070671 A 20191021; CN 202310835060 A 20191021; EP 19876733 A 20191021; KR 20217015305 A 20191021; US 202117238655 A 20210423